



NAC Meeting

April 29, 2022



Opening of Meeting

Chip Childs, NAC Chairman
President & CEO, SkyWest, Inc.



Public Meeting Announcement

NextGen Advisory Committee (NAC)

April 29, 2022



Chairman's Report

Chip Childs, NAC Chairman
President & CEO, SkyWest, Inc.



FAA Report

Brad Mims, FAA Deputy Administrator

NAC Designated Federal Officer



FAA Report

Tim Arel, Acting ATO Chief Operating Officer



NAC Subcommittee (SC) Report

John Ladner, NAC SC Chairman (Alaska Airlines)



NAC Tasking 22-1: Prioritize NextGen Programs for Implementation

Lee Brown (JetBlue Airways)

Task 22-1: Prioritize NextGen Programs for Implementation

- Provide advice on key NAC priorities to inform the FAA's decisions on sustaining and evolving the NAS
- Consensus-based advice from the NAC will help FAA to reassess near-term priorities coming out of the COVID-19 pandemic
- Focus on near-term (2025) capabilities
- Advice to be provided by the end of April 2022



Overall Approach to Tasking

- Meet with FAA SMEs
 - > Review the tasking and consider the scope of the request
 - > Receive further information on the programs of interest
- Conduct an assessment of each program's expected level and likelihood of benefit
- Formulate and document findings and conclusions

Task 22-1 Scope – Six Programs

- Terminal Flight Data Manager (TFDM)
- Time-Based Flow Management (TBFM)
- En Route Data Communications Initial Services
- En Route Data Communications Full Services
- Automatic Dependent Surveillance Broadcast (ADS-B) In Cockpit Display of Traffic Information (CDTI) Assisted Separation (CAS)
- ADS-B In Interval Management (IM)

Scoring Approach

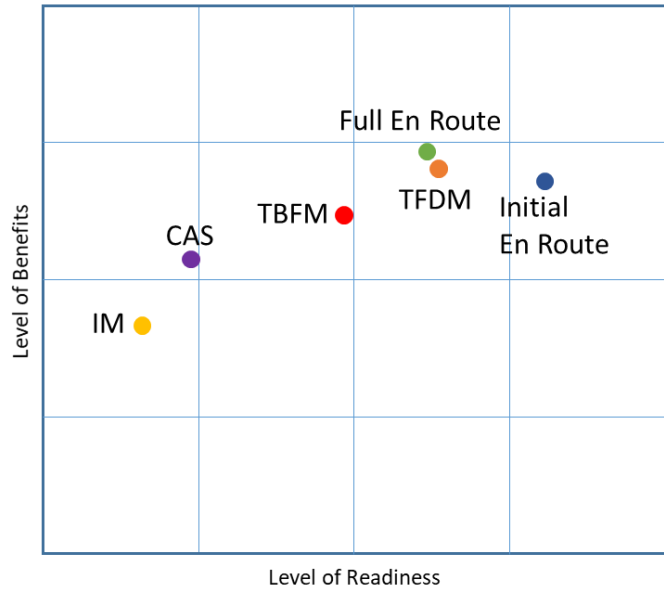
- Essentially the same approach that was used with PBN Clarification and Section 547 prioritization tasks
 - > Primary input from NAC SC participants with NAC members
 - > Included request for broader operator feedback (through A4A and RAA)
- Subjective assessment of benefits and readiness/risk
- Focus on what can be achieved by 2025
- Focus on six initiatives presented by FAA at April 6th NAC SC meeting
 - > Added sub-elements based on the presentation materials
- Supporting materials provided by the FAA

Caveats

- Limited cost data – costs/financials are an important component of assessment of program “readiness”
- Varying levels of awareness around program status and benefits
- Limited deliberative time within organizations

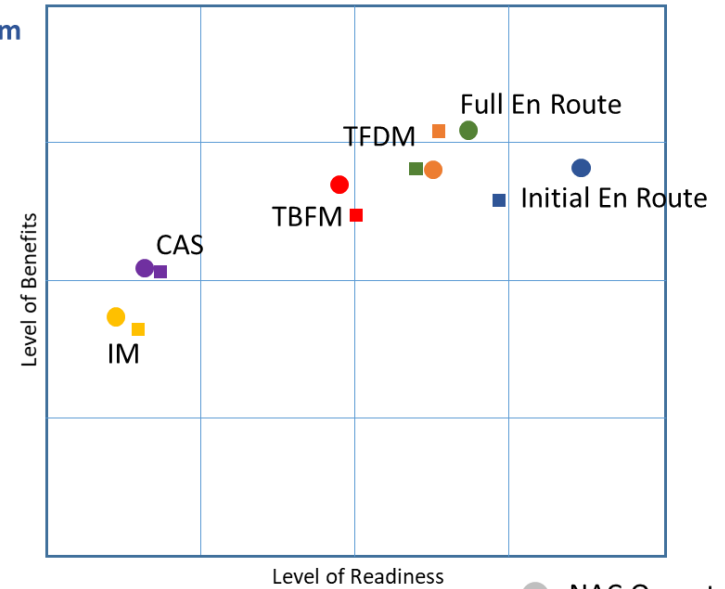
Scoring Results

All Responses



Initial En Route Data Comm
Full En Route Data Comm
TFDM
TBFM
ADS-B In CAS
ADS-B In IM

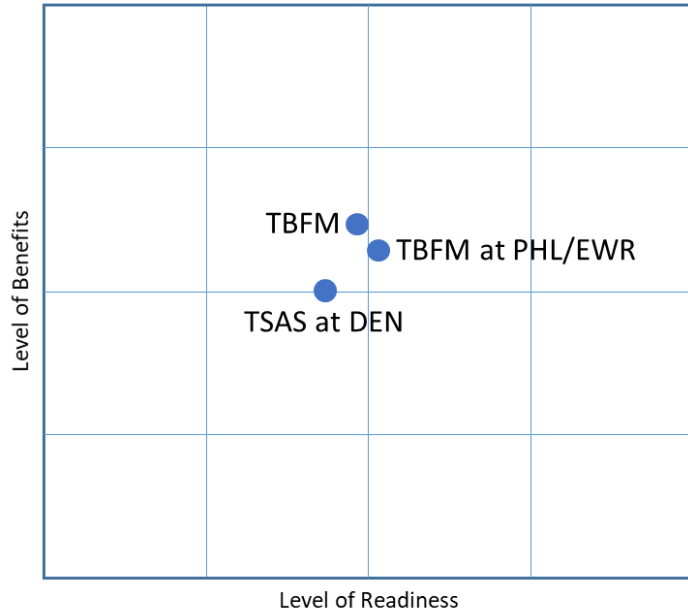
Operator Responses



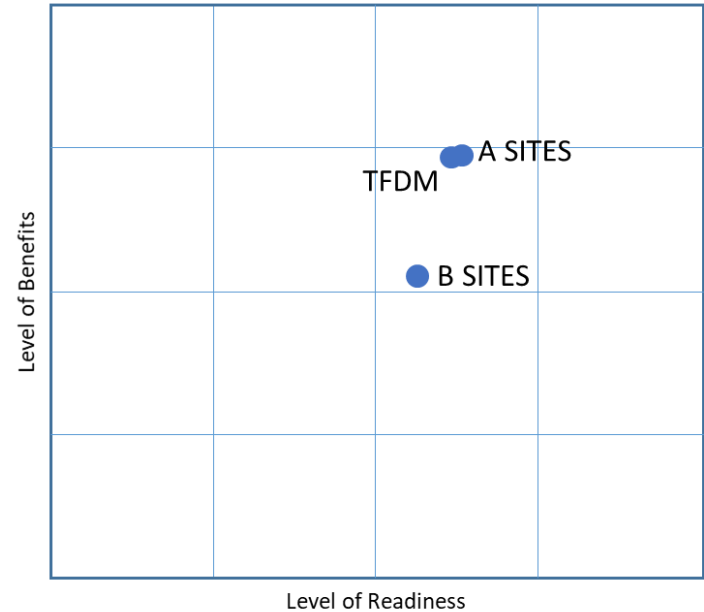
● NAC Operators
■ All Operators

Scoring Results (cont.)

TBFM Delineation



TFDM Delineation



Insights from Scoring Results

- Clustered benefits expectations - all of the programs have at least a moderate expected level of benefits
- More spread in the expected level of readiness
 - > Noticeable shift in readiness scoring when include broader operator inputs
- Total responses and operator-only responses are aligned
 - > Recognizing the majority of responses came from operators

Conclusions and Recommendations

- FAA programs that will improve safety, efficiency and throughput are priorities to Industry – all of the six programs contribute to those benefits
- Industry has continued to make investments, reflecting commitment to MCL and NAS modernization
 - > FAA commitments and deployment schedules, and associated ROI, have been part of the rationale for the investments
 - > Delivery delays and re-scoping of FAA plans could erode industry's confidence and may lead to future investment reluctance
- This feedback does not endorse schedule extension or scope reduction for any of the six programs/subprograms in the tasking
- Without a full picture of the decision space – other programs, trade-offs in consideration, etc. – this feedback is not a ranked list
 - > Industry is very willing in participating in a more comprehensive evaluation

Motion for NAC Approval as Advice to the FAA

- NAC Tasking 22-1: Prioritize NextGen Programs for Implementation



Review of Action Items & Other Business

Kimberly Noonan, NAC Committee Manager (FAA)

Upcoming Meetings

- NAC
 - > Summer 2022 (TBD)
 - > Fall 2022 (TBD)



Closing Comments

Brad Mims, FAA Deputy Administrator
NAC Designated Federal Officer



Closing Comments & Adjourn

Chip Childs, NAC Chairman
President & CEO, SkyWest, Inc.